

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2004276885 A**

(43) Date of publication of application: **07.10.2004**

(51) Int. Cl **B60R 21/34**

B60R 19/48

(21) Application number: **2003075128**

(22) Date of filing: **19.03.2003**

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(54) PEDESTRIAN PROTECTION SYSTEM FOR VEHICLE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a pedestrian protection system capable of determining if a subject of collision is a pedestrian or not when a traveling vehicle simultaneously collides with a plurality of the pedestrians.

SOLUTION: At the time of collision of the vehicle 1, an ECU 7 determines if the subject of the collision is the pedestrian or not based on each output of a plurality of load sensors 3 mounted on a front bumper 2, a G sensor 4 and a vehicle speed sensor 5, and operates a protection device when the subject of the collision is determined as the pedestrian. Specifically when the output of the G sensor 4 is over a specified level, the outputs of a plurality of the load sensors 3 are individ-

ually determined. When the output level falls within a certain output range and duration falls within determining time, the subject of the collision is determined as the pedestrian. Accordingly, in case of collision with a plurality of the pedestrians at the same time, when the output of at least one load sensor 3 detected at the collision with the pedestrian is in the output level, the ECU 7 determines the collision as the collision with the pedestrian.

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